# Skills Practice

*Today’s practice focuses on standard MM2N1. Here’s the complete standard:*

MM2N1. Students will represent and operate with complex numbers.

1. Write square roots of negative numbers in imaginary form.
2. Write complex numbers in the form a + bi. *Ms Golding’s note: this is sometimes called standard form*
3. Add, subtract, multiply and divide complex numbers.
4. Simplify expressions involving complex numbers.

*Directions: Solve the problems on this page and turn in before class ends.*

Simplify the expression & if necessary, write it in imaginary form (**N1a,d**)

1. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write these complex numbers in standard form (**N4b**):

1. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write the expression as a complex number in standard form (**N4c**):

1. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_